

MARCO Island IW

W-16735

(CO-2271)

F65 Litho Description: W-16735
SFWMD Geoply. Log # 021-76

W-16735

MA 16 95

Marco Island IW

LITHOLOGIC WELL LOG PRINTOUT

SOURCE - FGS

WELL NUMBER: W-16735
TOTAL DEPTH: 3360 FT.
323 SAMPLES FROM 0 TO 3360 FT.

COUNTY - COLLIER3
LOCATION: T.52S R.26E S.08
LAT = 25D 57M 30S
LON = 81D 43M 30S

COMPLETION DATE: N/A
OTHER TYPES OF LOGS AVAILABLE - NONE

ELEVATION: N/A FT

OWNER/DRILLER: SOUTH FLORIDA WATER MANAGEMENT DISTRICT

WORKED BY: LI LI (02/18/95)

WELL NAME MACRO ISLAND IW-1.

WELL IS LOCATED IN SEC 08, T52S, R26E. COLLIER COUNTY
THE BOUNDARIES BETWEEN HAWTHORN/SUWANNEE, SUWANNEE/OCALA AND
OCALA/AVON PARK FORMATION ARE VERY OBSCURE IN EITHER
LITHOLOGY OR BIOSTRATIGRAPHY. THE FORMATION BOUNDARIES LISTED
BELOW ARE REFERENCED PREVIOUS WELL DESCRIPTION IN THIS AREA.
TYPICAL AVON PARK FAUNA WAS NOT FOUND IN THE SAMPLE.
THE GLAUCONITE ZONE DIVIDING AVON APRK AND OLDSMAR
FORMATIONS ON THE EAST SIDE OF FLORIDA PENINSULAR IS ABSENT HERE.
THE BOUNDARY OF AVON PARK/OLDSMAR FORMATIONS IS DETERMINED
BY DOLOSTONE WITH ORGANIC RICH SHALE AS A LITHOLOGIC BREAK.

0.	-	200.	121PCPC	PLIOCENE-PLEISTOCENE
260.	-	950.	122HTRN	HAWTHORN GROUP
950.	-	1200.	123SWNN	SUWANNEE LIMESTONE
1200.	-	1740.	124OCAL	OCALA GROUP
1740.	-	2750.	124AVPK	AVON PARK FM.
2750.	-	3330.	124OLDM	OLDSMAR LIMESTONE
3330.	-	3360.	125CDRK	CEDAR KEYS LIMESTONE
70.	-	80.	000NOSH	NO SAMPLES
180.	-	190.	000NOSH	NO SAMPLES
200.	-	260.	000NOSH	NO SAMPLES
310.	-	340.	000NOSH	NO SAMPLES
700.	-	710.	000NOSH	NO SAMPLES
920.	-	930.	000NOSH	NO SAMPLES
2440.	-	2450.	000NOSH	NO SAMPLES

0 - 50 MOST OF THE SAMPLE ARE DUSKY YELLOWISH BROWN PLANT REMAINS
AND OTHER ORGANIC MATERIAL, WITH 10-50% WHITE LIMESTONE
FRAGMENTS.

50 - 60 PACKSTONE; WHITE TO DARK YELLOWISH BROWN
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX, SPARRY CALCITE CEMENT
ACCESSORY MINERALS: ORGANICS-10%
FOSSILS: MOLLUSKS, PLANT REMAINS

- 60 - 70 PACKSTONE; GRAYISH ORANGE
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: ORGANICS-01%
FOSSILS: MOLLUSKS, PLANT REMAINS
- 70 - 80 NO SAMPLES
- 80 - 120 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
- 120 - 140 PACKSTONE; YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-05%, PHOSPHATIC SAND-02%
FOSSILS: MOLLUSKS
- 140 - 150 PACKSTONE; YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%
FOSSILS: MOLLUSKS
- 150 - 160 GRAINSTONE; YELLOWISH GRAY TO PINKISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-02%
FOSSILS: MOLLUSKS

- 160 - 170 PACKSTONE; YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-10%
FOSSILS: MOLLUSKS
- 170 - 180 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%
FOSSILS: MOLLUSKS
- 180 - 190 NO SAMPLES
- 190 - 200 GRAINSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CRYSTALS
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS
30-40% OF THE SAMPLE IS WELL ROUNDED QUARTZ GRANULE/GRAVEL
WITH AVERAGE GRAIN SIZE ABOUT 2 MM.
- 200 - 260 NO SAMPLES
- 260 - 270 PACKSTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: CRYSTALS; 60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: QUARTZ SAND-30%, PHOSPHATIC SAND-01%
FOSSILS: MOLLUSKS

- 270 - 280 WACKESTONE; YELLOWISH GRAY
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: CRYSTALS; 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-40%, PHOSPHATIC SAND-03%
 FOSSILS: MOLLUSKS
- 280 - 290 MUDSTONE; LIGHT OLIVE GRAY
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: QUARTZ SAND-40%, CLAY-05%
 PHOSPHATIC SAND-05%, PHOSPHATIC GRAVEL-02%
 FOSSILS: SHARKS TEETH
- 290 - 310 SAND; LIGHT OLIVE GRAY
 25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN SIZE: COARSE; RANGE: FINE TO GRANULE
 ROUNDNESS: SUB-ROUNDED TO ROUNDED; HIGH SPHERICITY
 POOR INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX, CLAY MATRIX
 ACCESSORY MINERALS: CALCILUTITE-20%, CLAY-10%
 PHOSPHATIC SAND-10%
 FOSSILS: SHARKS TEETH
- 310 - 340 NO SAMPLES
- 340 - 350 PACKSTONE; WHITE TO LIGHT OLIVE GRAY
 25% POROSITY: INTERGRANULAR, MOLDIC
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND-02%
 OTHER FEATURES: DOLOMITIC
 FOSSILS: MOLLUSKS
- 350 - 360 PACKSTONE; WHITE TO LIGHT OLIVE GRAY
 25% POROSITY: INTERGRANULAR, MOLDIC
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-40%, PHOSPHATIC SAND-02%
 OTHER FEATURES: DOLOMITIC
 FOSSILS: MOLLUSKS

- 360 - 370 PACKSTONE; WHITE TO LIGHT OLIVE GRAY
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: COARSE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND-02%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
- 370 - 400 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS
- 400 - 410 PACKSTONE; YELLOWISH GRAY TO LIGHT OLIVE GRAY
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
- 410 - 430 DOLOSTONE; PINKISH GRAY TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-30%, CALCILUTITE-10%
PHOSPHATIC SAND- %
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS, SPICULES

- 430 - 440 PACKSTONE; PINKISH GRAY TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC SAND- %
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, SPICULES
- 440 - 460 DOLOSTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-20%, CALCILUTITE-10%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
- 460 - 470 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-10%
FOSSILS: MOLLUSKS
- 470 - 480 GRAINSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-40%, PHOSPHATIC SAND- %
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 480 - 500 DOLOSTONE; GRAYISH BROWN
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-10%, PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS

- 500 - 520 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-30%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS
- 520 - 530 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO VERY COARSE
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%, PHOSPHATIC SAND- %
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS
- 530 - 550 WACKESTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-10%, PHOSPHATIC SAND- %
OTHER FEATURES: CHALKY
FOSSILS: MOLLUSKS
- 550 - 570 WACKESTONE; WHITE TO YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-01%
OTHER FEATURES: CHALKY
FOSSILS: MOLLUSKS
- 570 - 600 WACKESTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND-03%
PHOSPHATIC GRAVEL-02%, DOLOMITE-02%
FOSSILS: MOLLUSKS

- 600 - 620 PACKSTONE; PINKISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL; POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: PHOSPHATIC SAND- %
FOSSILS: MOLLUSKS
- 620 - 640 PACKSTONE; WHITE
20% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 640 - 670 PACKSTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE- %
FOSSILS: MOLLUSKS
- 670 - 700 PACKSTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: VERY COARSE; RANGE: FINE TO GRAVEL
POOR INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: DOLOMITE-20%, PHOSPHATIC GRAVEL-02%
FOSSILS: MOLLUSKS
- 700 - 710 NO SAMPLES
- 710 - 740 DOLOSTONE; WHITE TO GRAYISH BROWN
20% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; SUBHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-40%
FOSSILS: MOLLUSKS, FOSSIL MOLDS

- 740 - 750 DOLOSTONE; GRAYISH BROWN TO MODERATE YELLOWISH BROWN
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-10%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 750 - 770 WACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
15% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELTAL CAST
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 770 - 790 WACKSTONE; VERY LIGHT ORANGE
15% POROSITY: INTERGRANULAR, MOLDIC, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 790 - 820 MLDSTONE; WHITE TO GRAYISH BROWN
10% POROSITY: MOLDIC, LOW PERMEABILITY
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-40%
FOSSILS: MOLLUSKS
- 820 - 830 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
20% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-30%
FOSSILS: MOLLUSKS

- 830 - 850 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-10%
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 850 - 860 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, FOSSIL MOLDS
70-80% OF THE GRAINS ARE FINE PELOIDS.
- 860 - 880 GRAINSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 880 - 920 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
- 920 - 930 NO SAMPLES
- 930 - 950 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS

- 950 - 960 GRAINSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: MOLLUSKS, MILIOLIDS, FOSSIL MOLDS
- 960 - 970 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
- 970 - 1000 GRAINSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: MOLLUSKS, MILIOLIDS
- 1000 - 1020 PACKSTONE; WHITE TO VERY LIGHT GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS, MILIOLIDS
- 1020 - 1060 GRAINSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: MEDIUM RECRYSTALLIZATION
FOSSILS: MOLLUSKS, MILIOLIDS

- 1060 - 1080 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
ACCESSORY MINERALS: QUARTZ SAND-02%
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, MILIOLIDS
- 1080 - 1100 WACKSTONE; WHITE
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, CRYSTALS
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, MILIOLIDS
- 1100 - 1140 PACKSTONE; PINKISH GRAY
20% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL; GOOD INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 1140 - 1160 PACKSTONE; WHITE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
80-90% OF THE GRAINS ARE FINE PELOIDS.
- 1160 - 1170 GRAINSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, MILIOLIDS

- 1170 - 1200 PACKSTONE; PINKISH GRAY TO YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, FOSSIL MOLDS
- 1200 - 1230 PACKSTONE; PINKISH GRAY
20% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, MILIOLIDS
- 1230 - 1280 GRAINSTONE; PINKISH GRAY TO YELLOWISH GRAY
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
FOSSILS: MOLLUSKS, SPICULES, MILIOLIDS
- 1280 - 1320 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MILIOLIDS
- 1320 - 1360 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, MILIOLIDS

- 1360 - 1400 GRAINSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, MOLDIC
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: MOLLUSKS, MILIOLIDS
- 1400 - 1450 PACKSTONE; WHITE TO VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELTAL CAST
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, MILIOLIDS
- 1450 - 1490 MUDSTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%
OTHER FEATURES: DOLOMITIC
FOSSILS: MOLLUSKS, FOSSIL FRAGMENTS
- 1490 - 1520 DOLOSTONE; YELLOWISH GRAY
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
50-90% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE
RANGE: MICROCRYSTALLINE TO VERY FINE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-20%
OTHER FEATURES: CALCAREOUS
FOSSILS: MOLLUSKS, MILIOLIDS
- 1520 - 1570 PACKSTONE; WHITE
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELTAL CAST
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: MOLLUSKS, MILIOLIDS

- 1570 - 1590 PACKSTONE; PINKISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
75% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
FIRST NUMMULITES WAS NOTED AT 1580-1590'.
- 1590 - 1600 WACKESTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 1600 - 1620 PACKSTONE; PINKISH GRAY
20% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, SKELTAL CAST
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
- 1620 - 1710 WACKESTONE; YELLOWISH GRAY
15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS, BENTHIC FORAMINIFERA
SAMPLES CONTAIN ABUNDANT NUMMULITES sp., HETEROSTEGINA sp.
AND A FEW LEPIDOCYCLINA sp. TYPICAL OCALA FAUNA.
- 1710 - 1740 PACKSTONE; PINKISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA, SPICULES
LEPIDOCYCLINA, NUMMULITES AND OTHER BENTHIC FORAMS ARE
50-60% OF THE ROCK.

- 1740 - 1770 WACKSTONE; PINKISH GRAY
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA
- 1770 - 1800 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
60-70% OF THE GRAINS ARE FINE TO MEDIUM GRAIN PELOIDS.
- 1800 - 1850 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA, MOLLUSKS
LARGE ECHINOIDS FRAGMENTS ARE ABUNDANT IN THE SAMPLES.
- 1850 - 1870 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%
FOSSILS: ECHINOID, BENTHIC FORAMINIFERA

- 1870 - 1880 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, INTRAGRANULAR
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 85% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, CONES, ECHINOID
 FIRST APPEARENCE OF DICTYOCONUS sp; ABUNDANT ECHINOID
 FRAGMENTS.
- 1880 - 1920 GRAINSTONE; VERY LIGHT ORANGE
 25% POROSITY: INTERGRANULAR, INTRAGRANULAR
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 95% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT
 ACCESSORY MINERALS: DOLOMITE-03%
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, SPICULES
- 1920 - 1930 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, INTRAGRANULAR
 POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 80% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOID
- 1930 - 2000 PACKSTONE; VERY LIGHT ORANGE
 20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, ECHINOID
- 2000 - 2010 PACKSTONE; VERY LIGHT ORANGE
 25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 OTHER FEATURES: LOW RECRYSTALLIZATION
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS

- 2010 - 2040 WACKESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
OTHER FEATURES: CHALKY
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
- 2040 - 2060 PACKSTONE; YELLOWISH GRAY
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELTAL CAST
60% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: MOLLUSKS
- 2060 - 2110 PACKSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
25% POROSITY: INTERGRANULAR, INTRAGRANULAR
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL, CRYSTALS
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, CONES
- 2110 - 2150 WACKESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: VERY FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS
- 2150 - 2190 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
90% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-03%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS

- 2190 - 2210 WACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
30% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2210 - 2310 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: MEDIUM; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-02%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, CONES, MOLLUSKS
- 2310 - 2350 PACKSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
80% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, CONES *✓*
FIRST SIGNIFICANT APPEARANCE OF DOLOMITE. TOP OF THE ~~AVON~~ *Lake City*
PARK FORMATION.
- + 2350 - 2440 DOLOSTONE; DARK YELLOWISH BROWN TO VERY LIGHT ORANGE
25% POROSITY: POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED
EIHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-25%
OTHER FEATURES: CALCAREOUS
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
- 2440 - 2450 NO SAMPLES

- 2450 - 2490 PACKSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC, SKELETAL
70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-20%
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
- 2490 - 2520 PACKSTONE; VERY LIGHT ORANGE
25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC; 95% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): SPARRY CALCITE CEMENT
OTHER FEATURES: LOW RECRYSTALLIZATION
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS
90% OF THE SAMPLE ARE FINE PELOIDS.
- 2520 - 2610 PACKSTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC; 70% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO GRAVEL
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: DOLOMITE-05%, CHERT- %
FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
- 2610 - 2640 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; EUHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
ACCESSORY MINERALS: LIMESTONE-30%
- 2640 - 2650 WACKESTONE; VERY LIGHT ORANGE
20% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
GRAIN TYPE: BIOGENIC; 40% ALLOCHEMICAL CONSTITUENTS
GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE
MODERATE INDURATION
CEMENT TYPE(S): CALCILUTITE MATRIX
ACCESSORY MINERALS: CHERT-20%, DOLOMITE-03%
- 2650 - 2680 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
MODERATE INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: CALCITE-05%

- 2680 - 2730 DOLOSTONE; DARK YELLOWISH BROWN
 15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO COARSE; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: CALCITE-10%
- 2730 - 2750 DOLOSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 25% POROSITY: INTERGRANULAR, INTERCRYSTALLINE
 POSSIBLY HIGH PERMEABILITY; 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: LIMESTONE-30%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, MOLLUSKS
- 2750 - 2790 WACKESTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELTAL CAST
 30% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: COARSE; RANGE: FINE TO GRAVEL
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-10%, SHALE-10%, ORGANICS- %
 FOSSILS: BENTHIC FORAMINIFERA, MOLLUSKS, CONES
 DARK BROWN TO BLACK ORGANIC RICH SHALE PRESENTS IN THE
 SAMPLES, UP TO 20%. ONE LITUONELLA sp. WAS NOTED IN THE
 MATRIX AT 2780-2790'.
- 2790 - 2800 GRAINSTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 25% POROSITY: INTERGRANULAR, POSSIBLY HIGH PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 90% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: MEDIUM; RANGE: FINE TO VERY COARSE
 GOOD INDURATION
 CEMENT TYPE(S): SPARRY CALCITE CEMENT
 ACCESSORY MINERALS: DOLOMITE-10%, SHALE-05%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, CONES
- 2800 - 2820 WACKESTONE; VERY LIGHT ORANGE TO DARK YELLOWISH BROWN
 15% POROSITY: INTERGRANULAR, LOW PERMEABILITY
 GRAIN TYPE: BIOGENIC, SKELETAL
 40% ALLOCHEMICAL CONSTITUENTS
 GRAIN SIZE: FINE; RANGE: FINE TO VERY COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): CALCILUTITE MATRIX
 ACCESSORY MINERALS: DOLOMITE-10%, SHALE-05%
 FOSSILS: BENTHIC FORAMINIFERA, MILIOLIDS, CONES

- 2820 - 2860 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 20% POROSITY: INTERCRYSTALLINE, PIN POINT VUGS
 POSSIBLY HIGH PERMEABILITY; 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: LIMESTONE-10%, SHALE-10%
- 2860 - 2880 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
 90-100% ALTERED; ANHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
 ACCESSORY MINERALS: SHALE-05%
- 2880 - 2900 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
 90-100% ALTERED; ANHEDRAL
 GRAIN SIZE: FINE; RANGE: VERY FINE TO MEDIUM
 GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
- 2900 - 2930 DOLOSTONE; GRAYISH BROWN
 25% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 90-100% ALTERED; EUHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
- 2930 - 2970 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
- 2970 - 3000 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 90-100% ALTERED; SUBHEDRAL
 GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT
- 3000 - 3030 DOLOSTONE; VERY LIGHT ORANGE TO GRAYISH BROWN
 20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
 50-90% ALTERED; EUHEDRAL
 GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE
 MODERATE INDURATION
 CEMENT TYPE(S): DOLOMITE CEMENT, CALCILUTITE MATRIX
 ACCESSORY MINERALS: CALCILUTITE-20%
 OTHER FEATURES: CALCAREOUS

- 3030 - 3100 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; EUHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3100 - 3170 DOLOSTONE; GRAYISH BROWN
15% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO COARSE; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3170 - 3220 DOLOSTONE; DARK YELLOWISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: MEDIUM; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
ACCESSORY MINERALS: LIMESTONE-05%
LOOSE LIMESTONE FRAGMENTS ARE POSSIBLE CAVINGS.
- 3220 - 3260 DOLOSTONE; GRAYISH BROWN
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO MEDIUM
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3260 - 3310 DOLOSTONE; GRAYISH BROWN TO DARK YELLOWISH BROWN
05% POROSITY: LOW PERMEABILITY; 90-100% ALTERED; ANHEDRAL
GRAIN SIZE: VERY FINE; RANGE: VERY FINE TO FINE
GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3310 - 3330 DOLOSTONE; GRAYISH BROWN
20% POROSITY: INTERCRYSTALLINE, POSSIBLY HIGH PERMEABILITY
90-100% ALTERED; SUBHEDRAL
GRAIN SIZE: FINE; RANGE: FINE TO MEDIUM; GOOD INDURATION
CEMENT TYPE(S): DOLOMITE CEMENT
- 3330 - 3360 GYPSUM; WHITE TO YELLOWISH GRAY
10% POROSITY: INTERCRYSTALLINE, LOW PERMEABILITY
ACCESSORY MINERALS: DOLOMITE-20%
WHITE TO LIGHT GRAY CRYSTALLINE GYPSUM AND SOME DOLOSTONE
FRAGMENTS.
- 3360 TOTAL DEPTH